Axis Partner-Roadshow 2014

Edwin Brokke

Experience smarter video surveillance

Products for effective and smart surveillance

Fixed cameras

PTZ cameras

Accessories

Thermal cameras

Fixed dome cameras

Software

Encoders

PTZ network cameras

AXIS M50 – Mini PTZ domes

	Indoor	
	SVGA	**HDTV 720p**
Non-vandal	**AXIS M5013** 	**AXIS M5014** HDTV NETWORK VIDEO
Vandal	**AXIS M5013-V** IP66, IK10 	**AXIS M5014-V** IP66, IK10 HDTV NETWORK VIDEO

AXIS P54 Series – Intelligent direct drive HDTV PTZ domes

	Wall mount	
	HDTV 720p	**HDTV 1080p**
Indoor/Outdoor	**AXIS P5414-E** 18x optical zoom Pan/tilt speed 350º/s 	**AXIS P5415-E** 18x optical zoom Pan/tilt speed 400º/s

AXIS P54 Series – Easy installation

Direct drive motors:

Hidden IP66-rated junction box

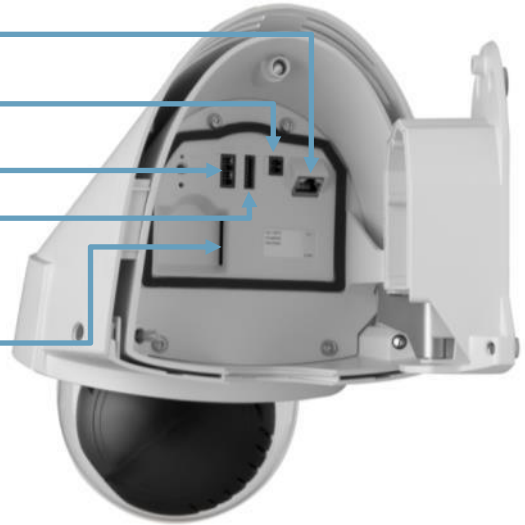
Network / PoE+ (IEEE 802.3at)

24 V DC

Two-way audio

4 input/output ports for enhanced alarm management

Memory card slot for local storage of recordings



Max. 270º pan

AXIS P55 Series – Advanced indoor & outdoor-ready PTZ domes

	360° pan with Auto-flip, 180° tilt				360° panoramic PTZ with Auto-flip
	Conventional mount				
	4 CIF	D1	D1	HDTV 720p	HDTV 720p
Indoor	**AXIS P5512** 12x optical zoom Pan/tilt speed 100º/s WDR 	**AXIS P5522** 18x optical zoom Pan/tilt speed 200º/s WDR 	**AXIS P5532** 29x optical zoom Pan/tilt speed 300º/s 	**AXIS P5534** 18x optical zoom Pan/tilt speed 300º/s 	**AXIS P5544** 18x optical zoom Pan/tilt speed 300º/s
Outdoor	**AXIS P5512-E** 12x optical zoom Pan/tilt speed 100º/s WDR 	**AXIS P5522-E** 18x optical zoom Pan/tilt speed 200º/s WDR 	**AXIS P5532-E** 29x optical zoom Pan/tilt speed 300º/s 	**AXIS P5534-E** 18x optical zoom Pan/tilt speed 300º/s 	

Resolution and zoom

AXIS P5534-E: HDTV 720p & 18x zoom => 200m

AXIS P5532-E: D1 & 29x zoom => 150m

AXIS P5522-E: D1 & 18x zoom => 140m

AXIS P5512-E: 4CIF & 12x zoom => 76m

AXIS P5544 – Panopsis technology, no loss of video quality

Uses two different lenses to maintain high video quality:

Wide-angle lens
360º overview covering more than
950 sq. m. or 10,000 sq. ft.
(more than three tennis courts)

Zoom lens
HDTV 720p enables identification some
150 m (490 ft.) away.

AXIS Q60 Series

	360° endless pan, pan/tilt/speed 0.05º to 450º/s		
	Extended D1	**HDTV 720p**	**HDTV 1080p**
Indoor	**AXIS Q6042** 36x optical zoom 180º tilt Input/output ports Audio PoE+ (IEEE 802.3at) 	**AXIS Q6044** 30x optical zoom 180º tilt Input/output ports Audio PoE+ (IEEE 802.3at) HDTV NETWORK VIDEO	**AXIS Q6045** 20x optical zoom 180º tilt Input/output ports Audio PoE+ (IEEE 802.3at) HDTV NETWORK VIDEO
Outdoor	**AXIS Q6042-E** 36x optical zoom 220º tilt Arctic Temperature Control High PoE 	**AXIS Q6044-E** 30x optical zoom 220º tilt Arctic Temperature Control High PoE HDTV NETWORK VIDEO	**AXIS Q6045-E** 20x optical zoom 220º tilt Arctic Temperature Control High PoE HDTV NETWORK VIDEO

AXIS Q60 Series

	360° endless pan, pan/tilt/speed 0.05º to 450º/s		
	Extended D1	**HDTV 720p**	**HDTV 1080p**
Outdoor Hot climates	**AXIS Q6042-C** 36x optical zoom 220º tilt Active cooling RJ45 & fiber connections Input/output ports 	**AXIS Q6044-C** 30x optical zoom 220º tilt Active cooling RJ45 & fiber connections Input/output ports HDTV NETWORK VIDEO	**AXIS Q6045-C** 20x optical zoom 220º tilt Active Cooling RJ45 & fiber connections Input/output ports HDTV NETWORK VIDEO
Indoor/ Outdoor	**AXIS Q6042-S** 36x optical zoom 220º tilt High durability with stainless steel RJ45 & fiber connections Input/output ports 	**AXIS Q6044-S** 30x optical zoom 220º tilt High durability with stainless steel RJ45 & fiber connections Input/output ports HDTV NETWORK VIDEO	**AXIS Q6045-S** 20x optical zoom 220º tilt High durability with stainless steel RJ45 & fiber connections Input/output ports HDTV NETWORK VIDEO

Successors to AXIS Q6032/Q6034/Q6035

AXIS Q6042/-E/-C/-S, AXIS Q6044/-E/-C/-S, AXIS Q6045/-E/-C/-S

> Enhanced video compression with H.264 Main Profile

> **Added shock detection**

> Increased capacity for third-party intelligent video applications

> Product look, dimensions and mounting are the same as predecessors
Exception: the compass ring around the dome cover is gray instead of black

AXIS Q6044/-E/-C/-S

> 30x zoom in HDTV 720p

> More than **3x better light sensitivity**

> **Automatic defog and electronic image stabilization**

AXIS Q6045/-E/-C/-S

> Higher light sensitivity, increased sharpness, less noise in low light

> Bulit-in analytics: Highlight compensation, object counter, object removed, fence detector, enter/exit detection (Basic analytics—not to be compared with 3rd-party)

AXIS Q6044/-E/-C/-S – Clearer image in Night mode

AXIS Q6034-E

AXIS Q6044-E

Thermal network cameras

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AXIS Q19 Thermal Camera Series

	Frame rate 8.3/30 fps*			
	Resolution: 160x128	**Resolution: 640x480 (VGA)**	**Resolution: 384x288**	**Resolution: 640x480 (VGA)**
Indoor	**AXIS Q1910** Lens: 13 mm 	**AXIS Q1922** Lenses: 10 and19 mm 		
Outdoor	**AXIS Q1910-E** Lens: 13 mm 	**AXIS Q1922-E** Lenses: 10, 19, 35, 60 mm 	**AXIS Q1931-E &** **AXIS Q1931-E PT Mount** Lenses: 7, 13, 35, 60 mm 	**AXIS Q1932-E &** **AXIS Q1932-E PT Mount** Lenses: 10, 19, 35, 60 mm

- 30 fps available as standard within EU, Norway, Switzerland, USA, Canada, Japan, New Zealand, Australia.
- 8.3 fps available as standard in other countries, frame rates above 9 fps may be subject to export regulations.

“Jonson’s Criteria” Detection range

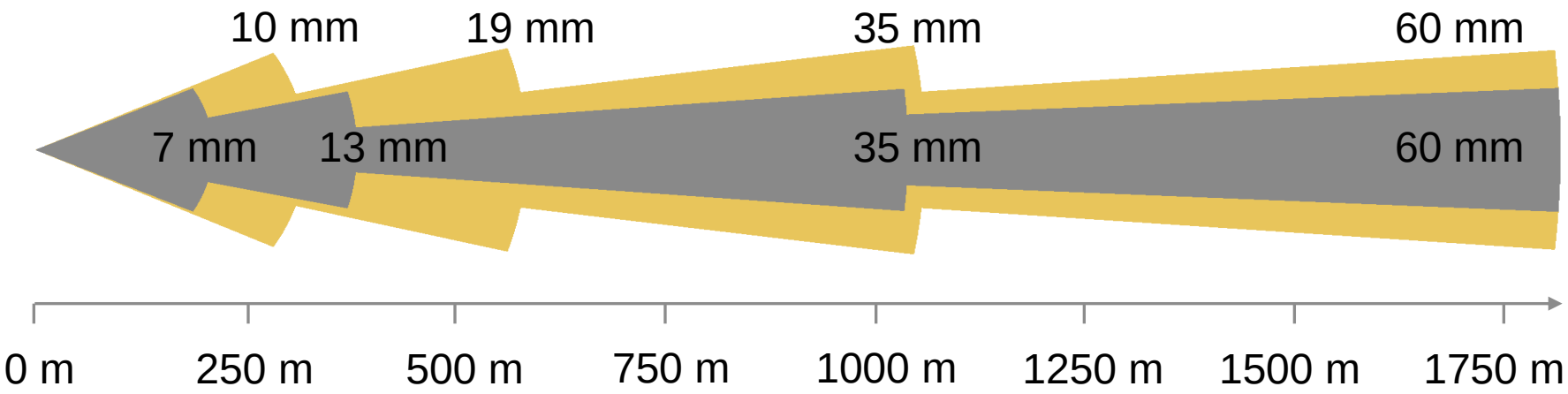
Human: 1,8 m x 0,5 m Critical dimension 0,74 m

Detection (1.5 pixels on target)

An observer can see an object

AXIS Q1931-E

AXIS Q1932-E



AXIS Q1932-E - VGA detection & intelligent video

New

- New edge-preserving noise filter with enhanced noise-reduction
  - Superior image quality
- Included
  - AXIS Cross Line Detection and AXIS Video Motion Detection 2.1
- Shock detection for tampering
- 17µm 640x480 micro bolometer
- VGA thermal resolution

Comparison - visual camera

AXIS Q1604

AXIS Q1932-E

(Digital zoom applied)

AXIS specials

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AXIS F41 Series

HDTV cameras for unobtrusive video surveillance

> Functional and discreet design

> Where space is limited or an unobtrusive installation is required

> Ideal for machines, banks, the retail sector and hotels

Naming examples

Main unit

AXIS F41

The name of the main unit has an “F” followed by two digits. The second digit shows that 1 sensor unit is supported. The first digit is a number indicating how advanced the product is.

Sensor unit

AXIS F1005-E

The sensor unit also has an “F” followed by four digits. The four digits separate the sensor unit from the main unit. The last digit shows the resolution. “E” shows that it can be used outdoors.

Mounting accessory

AXIS F8201

The same “F” is found in the name of the accessories. The first digit shows that it is an accessory. The following digits are running numbers.

The new letter makes it easy to identify all components that make up the new camera series and avoids confusion with other products that are complete cameras.

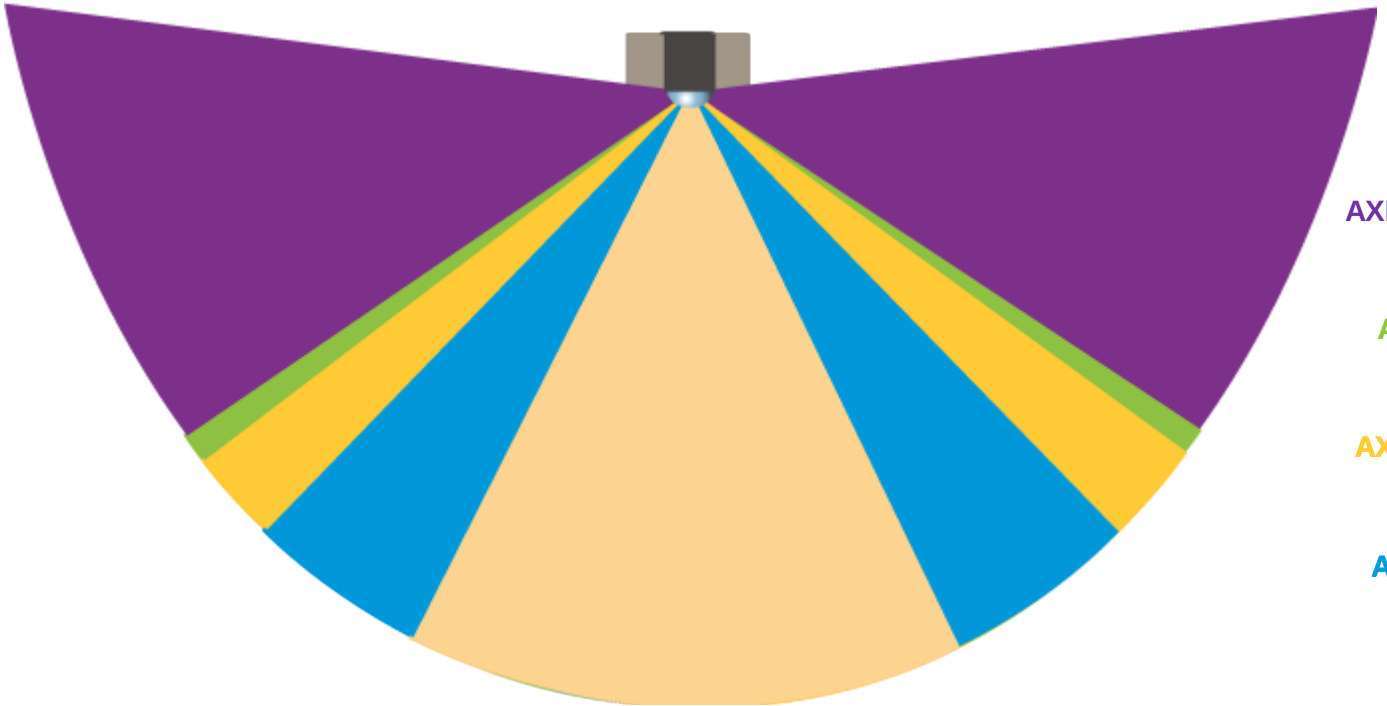
AXIS F41 Series

- 1080p, WDR Dynamic Capture
- PoE or 8 to 28 VDC power supply
- Two-way audio
- 4 configurable I/Os, 12 VDC output
- SD card slot (standard form factor)
- Serial interface (RS 232) for, for example POS Integration
- Maximum 12 m long cable between image sensor unit and processor unit

AXIS F Series – Accessories

	Main unit	Sensor units and accessories			
Units & included accessories	**AXIS F41**	**AXIS F1005-E** (Fixed) & **AXIS F8201**	**AXIS F1015** (Varifocal) & **AXIS F8201**	**AXIS F1025** (Pinhole) & **AXIS F8202** **Launch in Q4**	**AXIS F1035-E** (Fisheye) & **AXIS F8201** **Launch in Q4**
Optional accessories	**AXIS F8001 Surface Mount with Strain Relief** & **AXIS F8002 DIN Rail Clip**	**AXIS F8203 Fixed Mount Bracket** & & **AXIS F8401 Clear Lens Protector**	**AXIS F8203 Fixed Mount Bracket**	**AXIS F8203 Fixed Mount Bracket**	**AXIS F8203 Fixed Mount Bracket**

AXIS F Sensor Units – Horizontal field of view (HFOV) reference



AXIS F1035-E (fisheye):
194º HFOV

AXIS F1005-E (fixed):
113º HFOV

AXIS F1015 (varifocal):
53º - 108º HFOV

AXIS F1025 (pinhole):
89º HFOV

AXIS F41 and AXIS F1005-E – Handling backlight scenarios

No WDR – Forensic Capture

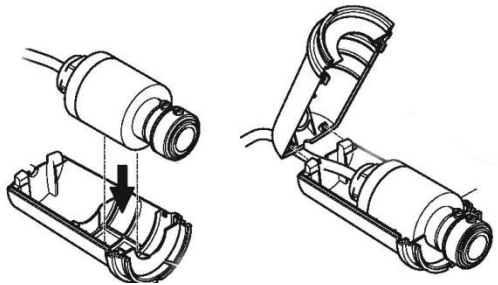
WDR – Forensic Capture

WDR – Forensic Capture allows details in bright and dark areas to be seen

AXIS F8205 & F8215 Bullet Accessories

> “Converts” AXIS F1015 & AXIS F1025
>
> to SFF Bullet style cameras

- One model for varifocal (1025) and one for fixed (1015)
- One time operation
- A Small C-clamp and stand included in kit
- Can be used with AXIS F1035-E but will limit FOV



AXIS V59-PTZ Network camera series

PTZ network camera for new market segments

> A new PTZ camera variant that is not limited to the video surveillance industry

> Design, performance and connections focus on new market segments that also require network cameras

AXIS V5914 PTZ Network Camera

- HDTV 720p with 50/60 frames/s
- 30x optical zoom (4.3 mm to 129 mm), F 6.1 to 7.4
- Gentle movement of the pan/tilt orientation
  - Pan 0° to 365°, and tilt -30° to +90°
- LED and microphone ring
- HDMI™ output
- XLR-3 outputs (Canon connector) for balanced stereo audio transmission
- Power supply 12 VDC

AXIS P85 Series – More reliable identification

Traditional camera placement near the ceiling at height of 240 cm (7.8 ft)

- Faces can be obstructed by a cap or hood

AXIS P85 cameras placed at eye-level at a height of 160 or 170 cm (5.2 or 5.5 ft)

- Position optimized to look straight at a person's face to capture facial details, enabling more reliable identification regardless of cap or hood

AXIS P85 Series – Discreet, eye-level cameras for identification

- Eye-level pinhole cameras for identification
  - **AXIS P8514:** three floor-to-ceiling pipe versions
  - **AXIS P8524:** four rectangular height strip versions
- HDTV 720p
- Choice of colors and form factors
- Easy to install and flexible viewing direction
- Power over Ethernet

AXIS Video Management

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Axis software solutions

System requirements

AXIS Camera Companion
The easiest way to network video surveillance

AXIS Camera Station

All you need for easy and efficient surveillance

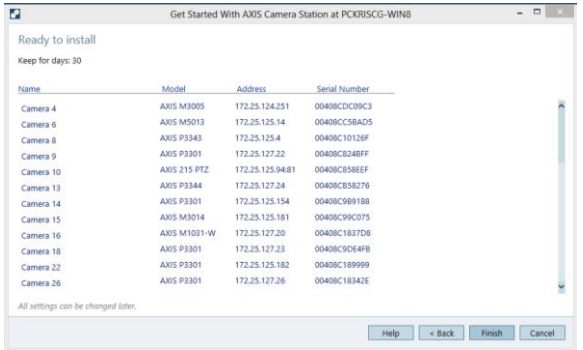
AXIS Camera Station S10 Recorder Series
Out-of-the box ready recording solutions

Axis partner applications

Customized and specialized surveillance solutions

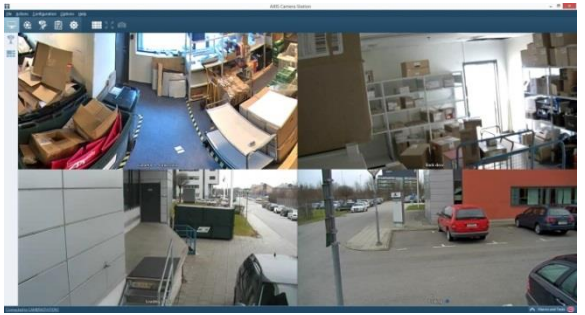
AXIS Camera Station 4.0

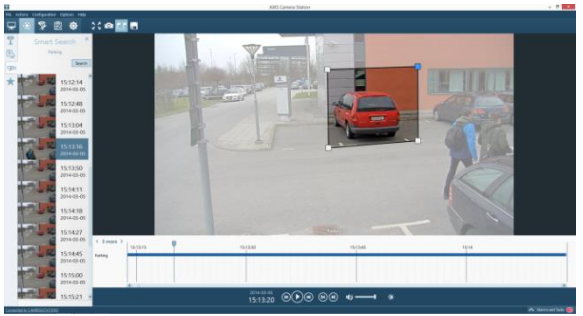
- New Setup Wizard
- New design for simple and intuitive operation
- 64-bit server and client architecture
- Advanced Video Motion Detection
  - VMD 2.1 is installed automatically
- View images of the M3007-P/PV
- **Free upgrade from version 1, 2, 3 and 4 to version 4.xx (no support needed).**



AXIS Camera Station 4.0

- New camera live-view surface
  - Drag & Drop function for cameras
  - Trigger button
  - Multiple monitors
- New search function
  - Delivers results in an hour-long HD video in a few seconds
- Extension of Event Management
  - Execution of HTTP commands (VAPIX commands)
- Support for A1001 & P8221
- Demo use with up to 100 cameras for 30 days

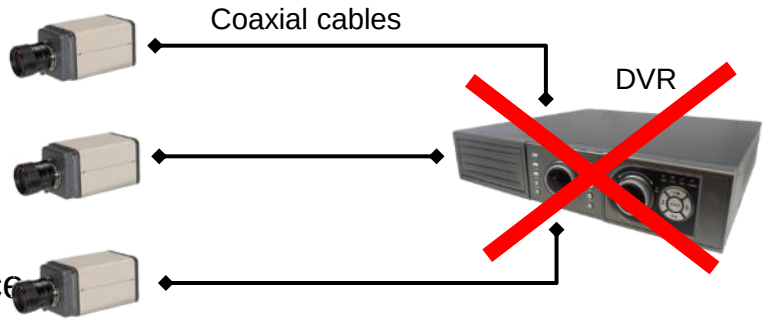




AXIS Camera Companion
The Easiest Way To
Network Video Surveillance

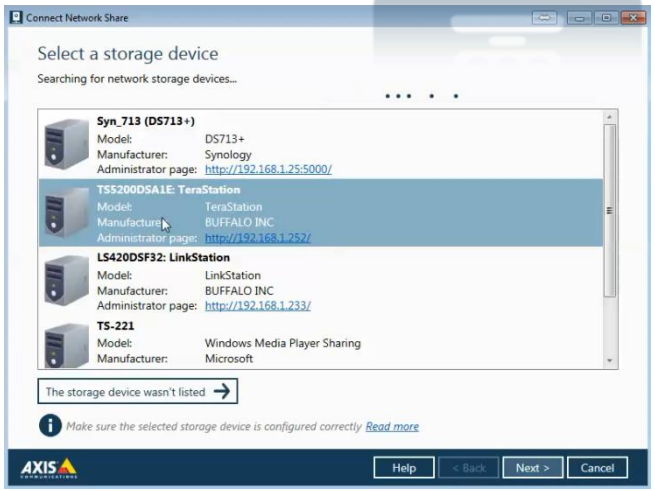
What's unique about AXIS Camera Companion?

- Forget the DVR!
- Video is recorded in the camera on an SD memory card
  - Each camera is a smart, independent device
  - Reduces costs
  - No single point of failure
  - The cameras keep on recording
  - Only needs a computer at installation
- **Latest version = 2.20.051 (English)**
  - **(ML in 1 month)**



Feature highlights in AXIS Camera Companion 2.20

- Axis in-house developed mobile viewing app for iOS and Android
- Axis Mobile Streaming for quick access to remote high definition video also when bandwidth is limited
- Grouping of cameras from different locations
- One-click configuration with Buffalo/QNAP NAS
- Automatic firmware upgrade on Axis cameras and encoders



S10 AXIS recorder series:

	AXIS S1016	AXIS S1032	AXIS S1048
Recorder model			
Storage	3 TB	9TB	15 TB
Number of channels	16 - 24*	32-48*	48 - 64*
Software	AXIS Camera Station + 16 licenses + Windows 7	AXIS Camera Station + 32 licenses + Windows 7	AXIS Camera Station + 48 licenses + Windows 7
Monitors	2	2 (AXIS S9001)	2 (AXIS S9001)

*can be upgraded, licenses sold separately

Easy installation

> Press the button and follow a short wizard

> AXIS Camera Station software and licenses preloaded

> Preloaded with operating system and other necessary software

> Support for Active Directory Multiple user access levels with password protection

Accessories

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Helping you build a complete video surveillance solution

Mounting Accessories

AXIS T90A Bracket Accessories
AXIS T91B Mounting Accessories
VT Mounting Accessories
Pendant Kits
Recessed and drop ceiling mounts
Pan tilt motors

Housings, cabinets and casings

AXIS T92A Housing Series
AXIS T92E Housing Series
AXIS T93E05 Protective Housing
AXIS T93F Housing Series
AXIS T95A Dome Housing Series
AXIS T96A05-V Dome housings
AXIS T98A-VE Surveillance Cabinet Series
AXIS T97A10 Enclosure

Decoders

AXIS P7701 Video Decoder

Illuminators

AXIS T90A Illuminators
AXIS T90B Illuminators
AXIS T90C Fixed Dome IR-LED

PoE Products

AXIS T8120 Midspan
AXIS PoE Midspans
AXIS T81B22 DC 30 W Midspan
AXIS T8133 30 W Midspan
AXIS T8123-E High PoE Midspan
AXIS T8124/-E High PoE Midspan
AXIS T8125 AC 24 V Midspan
AXIS T8129 PoE Extender

Media converters

AXIS T8640 Ethernet over Coax Adaptor PoE+
AXIS T8604 Media Converter Switch

Installation display

AXIS T8414 Installation Display

Control board and joystick

AXIS T8310 Control Board
AXIS T8311 Joystick
AXIS T8312 Keypad
AXIS T8313 Jog Dial

I/O and Audio

AXIS P8221 Network I/O Module
AXIS T83 Microphones

Power supplies

Axis power supplies and extension cables

Lenses

Fixed, varifocal and megapixel lenses

AXIS T91A47 Pole Mount – Features

- Compatible with
  - AXIS M11-E
  - AXIS P13-E/Q16-E/
    AXIS Q1755-E/Q1765-LE/Q19-E
  - AXIS M3006-V/M3007-P/M3007-PV
  - AXIS P33-VE
  - Wall mounts for AXIS T92E/T93E05
- Comes in two versions, depending of pole diameter
  - AXIS T91A47 60-110 mm (2.4”-4.3”)
  - AXIS T91A47 110-400 mm (4.3”-15.7”)

AXIS T98A-VE – Five versions for increased flexibility

AXIS T98A15-VE

Standalone

AXIS T98A16-VE

Compatible with
Fixed cameras

AXIS M11-E
AXIS P13-E
AXIS Q16-E
AXIS Q1755-E
AXIS Q19-E

AXIS T98A17-VE

Compatible with
Fixed dome cameras

AXIS P33-VE

AXIS T98A18-VE

Compatible with
PTZ and fixed domes
with pendant kit

AXIS T91A61
AXIS Q60-E PTZ
AXIS P55-E PTZ
AXIS P33 Series
AXIS M32 Series

AXIS T98A19-VE

Compatible with
PTZ dome cameras

AXIS P54

Illuminators

- AXIS T90A Illuminators
  - Standalone white and IR illuminators to improve identification in difficult lighting conditions
- AXIS T90B Illuminators
  - White and IR LED to match the angle of illumination to the required field of view for Axis cameras
- AXIS T90C Fixed Dome IR-LED
  - Designed for AXIS P33-VE Network Cameras

AXIS T93F Series – Design features

Integrated sun cap, no traditional sunshield required under normal conditions

Space for accessories behind the camera placement

Slot for intrusion alarm switch

Room for larger lenses
AXIS P13/Q1602/Q1604: Ø:57mm, L: 95mm
AXIS Q1614/Q1615: Ø 69mm, L: 94mm

Threaded holes underneath for illuminator

Easy to use ”push-connector-though” silicone cable gaskets

AXIS T93F Series – Included accessories

- AXIS T94Q04A Wall Mount
- AXIS Connector Guard A
- AXIS Cable Gasket M20
- Network cable (only with AXIS T93F20)

AXIS T93F Series – Optional accessories

- Axis' Corridor Format Bracket A
  - Compatible with AXIS P13/Q16 cameras
- AXIS T94R01P Conduit Back Box
- AXIS Sunshield A
- AXIS Door Switch A

AXIS Q6000-E Network Camera

Monitoring of wide areas and capturing every detail.

> Ideal for city surveillance in market squares, parking lots, food courts in shopping malls and other large open areas.

A pioneering smart camera solution

Complete 360°
field of view

AXIS Q6000-E

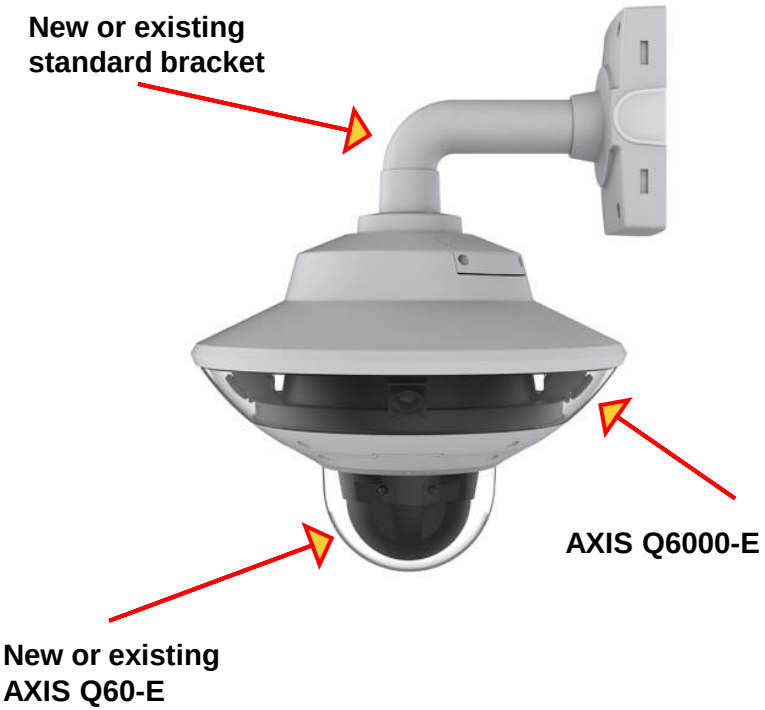
Detailed surveillance
at great distances

AXIS Q60-E

Full overview to detail in one click

Innovative and extremely easy installation

- A flexible, space-efficient and cost-effective surveillance solution
- Compatible with any AXIS Q60-E camera model
- No mounting brackets or extra equipment required
  - No need for extra mounting brackets
  - No need for extra power supply
  - No need for extra power outlet
  - No need for extra switch
  - No need for extra network cable



Full overview to detail – in one click

AXIS Q6000-E interface showing the four cameras displayed in a split screen, covering full 360º

AXIS Q60-E showing the zoomed in view of interest

Efficient management

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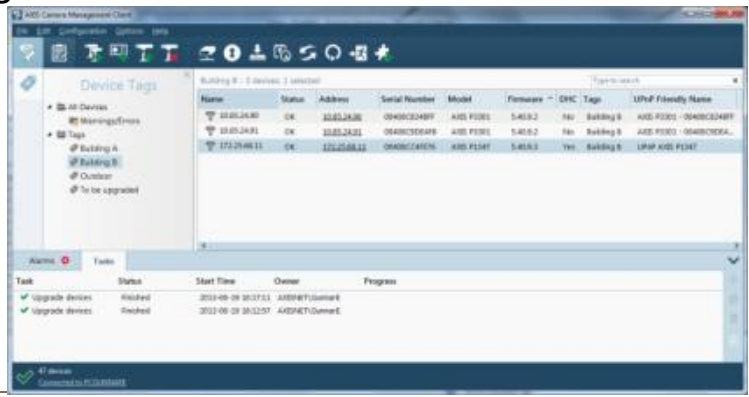
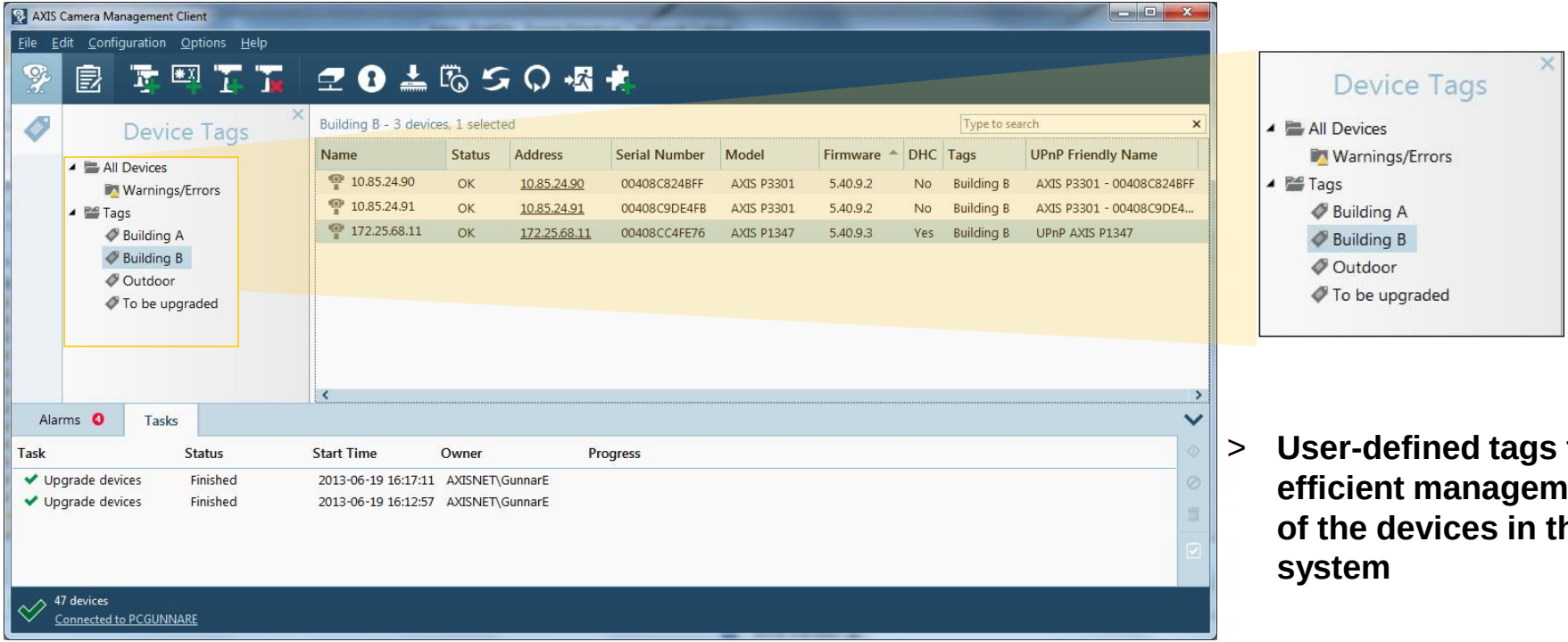
AXIS Camera Management (release 4.11.016)

Efficient management tool for your Axis network video products

- quick configuration of devices
  - manual IP addresses setting or automatic DHCP assignment
- single parameter configuration or copy from existing devices
- efficient management of camera applications
- efficient management of firmware upgrades
- intuitive interface with user-defined tags
- Easy multicam ACAP installation

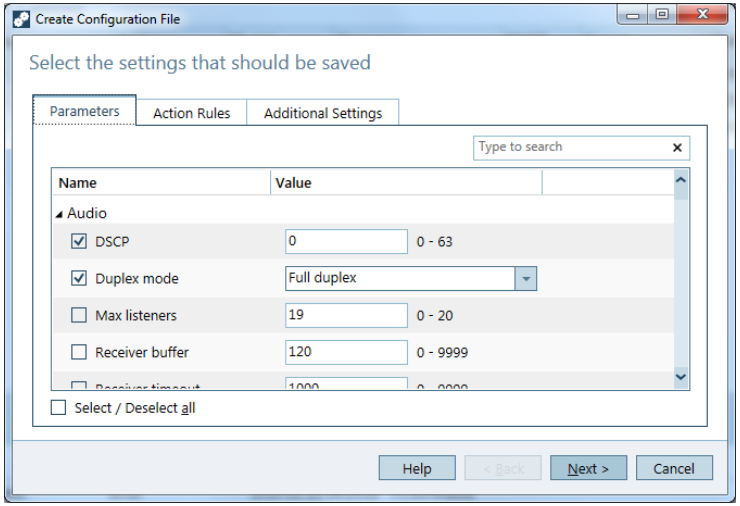


ACM: Intuitive user interface

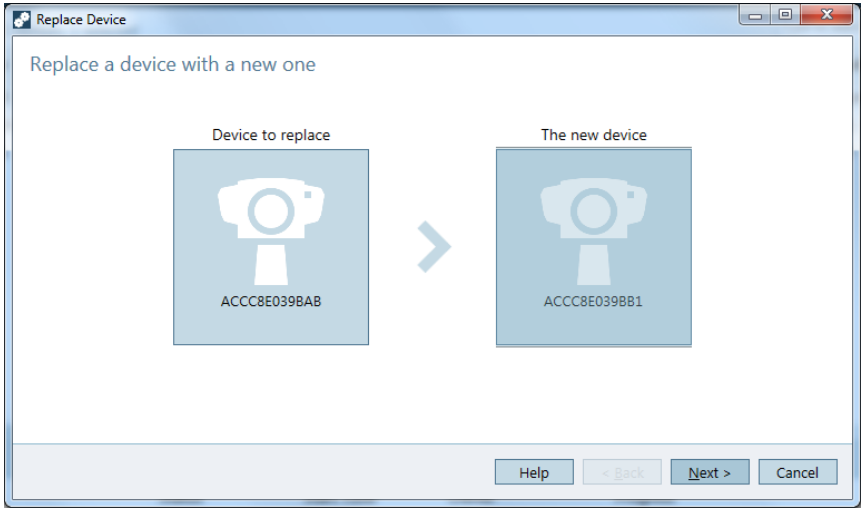


> **User-defined tags for efficient management of the devices in the system**

ACM: Powerful camera configuration features



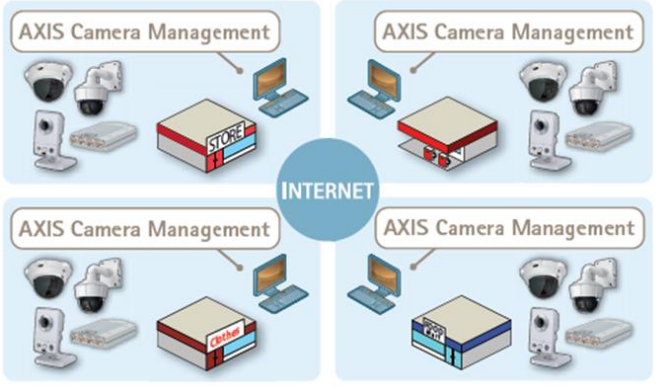
Configure and copy parameters, including action rules and stream profiles

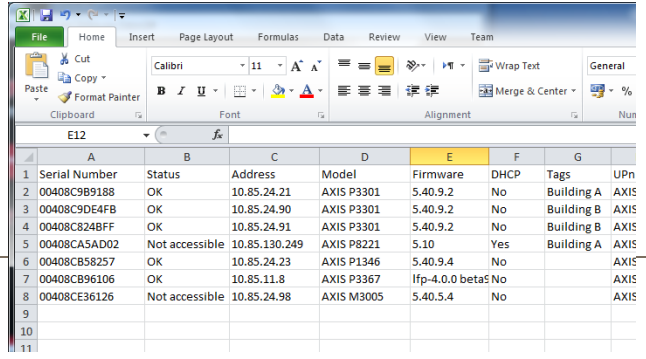


Support for camera replacement to support Return Merchandise Authorization (RMA)

ACM: Software highlights r. 4.0

- New modern GUI
  - Improved camera parameter configuration
- Improved handling of several ACM servers in a multi-site installation
- Various minor updates such as:
  - Detection of cameras with incorrect password
  - Improved overview by showing additional device info
- Camera report generator
  - Export camera information to Excel





	A	B	C	D	E	F	G	
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3	00408C9DE4FB	OK	10.85.24.90	AXIS P3301	5.40.9.2	No	Building B	AXIS
4	00408C824BFF	OK	10.85.24.91	AXIS P3301	5.40.9.2	No	Building B	AXIS
5	00408CA5AD02	Not accessible	10.85.130.249	AXIS P8221	5.10	Yes	Building A	AXIS
6	00408CB58257	OK	10.85.24.23	AXIS P1346	5.40.9.4	No		AXIS
7	00408CB96106	OK	10.85.11.8	AXIS P3367	lfp-4.0.0 beta5	No		AXIS
8	00408CE36126	Not accessible	10.85.24.98	AXIS M3005	5.40.5.4	No		AXIS
9								
10								
11								

AXIS IP Utility 4.02

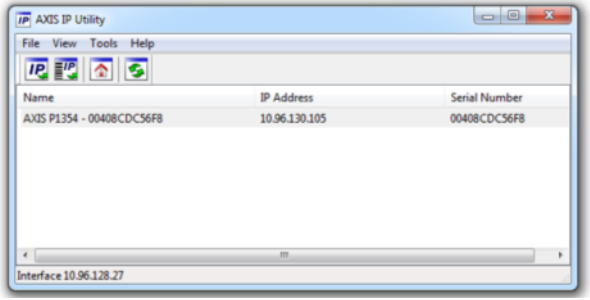
AXIS IP Utility helps you to discover Axis network products and set the IP address

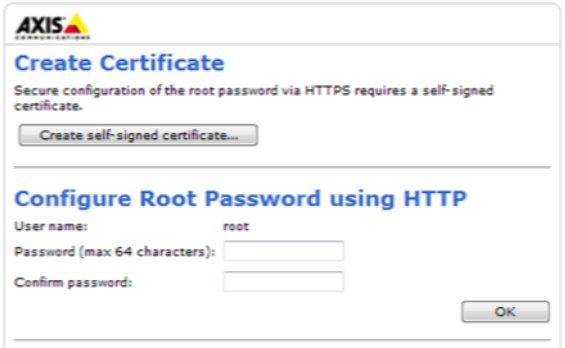
> Quick access to devices

> Change IP address of selected device

  – (no restart needed anymore)

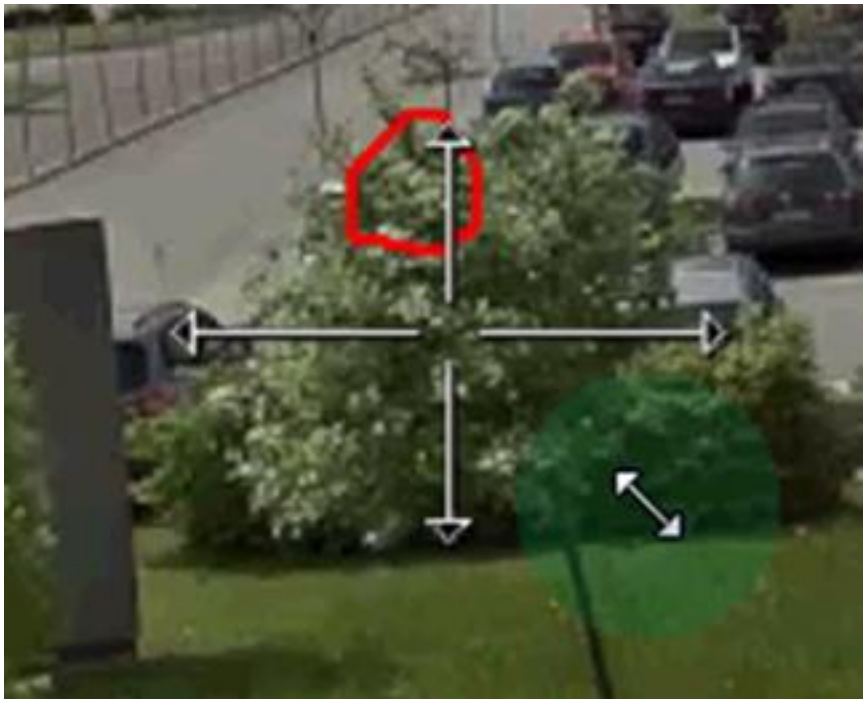
> Intuitive interface





AXIS ACAP VMD 3.0

- Improved version of 2.0
  - Filters for swaying objects
  - Short lived objects
  - Small objects
- Free of charge



TOP SECRET AXIS TOOLS:

Axis Communication channels:
info, camera demo video, installation tips & technology

Mounting tip_ Mounting the AXIS F41 Main Unit on DIN rail.mp4

http://www.axis.com/tools

Product-& Accessory selector
3D Google Sketchup smart symbols
3D Revit smart symbols
MS Visio Smart symbols
Design tool – bandwith & storage
Lens Calculator & ACC Buyer Tool

Megapixel
Quality
Ease of use
Network video
Reliability
open
Innovation
Easy installation
Protect
support
integration
Thank you
Secure
Image usability
Service all the way
Thermal
Convergence
HDTV
Access control
World Leader
Intelligent
Competence
Quality
Partners
Focus
Cameras
Safe
Outdoor
Video encoder
Global